

CLAIMS

1. A dispensing device for paper sheets cut from a continuous band wound up in a roll (R), comprising a case consisting of a base (1) and a cover (3) provided with a bottom opening (4) as paper outlet, characterized in that it includes
5 a mechanism for automatically replacing the finished roll (R) with a spare roll (R'), a band feeding and cutting unit of the type in which it is the pull exerted by the user on the tip of paper (C) projecting from the device that controls the feeding of a pre-established length of band and the cutting thereof, means for retaining the
10 starting tip (S) of said spare roll (R'), means for the top hinging of said cover (3) to said base (1) and connection means suitable to turn a push on the cover (3) into a driving impulse for said feeding and cutting unit.

2. A device according to claim 1, characterized in that the mechanism for automatically replacing the roll (R) consists of a frame (20) rotatably mounted on a
15 frame (8) of the feeding and cutting unit, said frame (20) being provided on its inside with a first pivot (22) that carries a pair of independent arms (23, 23') carrying respectively the first roll (R) and the spare roll (R'), on the same internal side of the frame (20) there being provided a second more advanced pivot (24) that carries a plate (25) on which there is formed a cam (26) shaped with a horizontal
20 top portion (27) and a rear vertical portion (28) connected by a substantially curved front portion (29), each of said arms (23, 23') being provided with a relevant peg (30, 30') positioned so that it can follow the profile of said cam (26).

3. A device according to claim 1 or 2, characterized in that the means for retaining the starting tip (S) of the spare roll (R') consist of a rubber panel (17)
25 with a cross-shaped cut (18).

4. A device according to claim 2 and 3, characterized in that the rubber panel (17) is secured to a transverse plate (19) that is in turn mounted on the frame (20) of the roll replacement mechanism.

5. A device according to one or more of the preceding claims, characterized in that the means for the top hinging of the cover (3) to the base (1) consist of teeth (2) formed at the top of the base (1) and suitable to rotatably engage the cover (3), the latter being also connected at the bottom to the device
30 body through a flexible strap suitable to limit its rotation and to prevent its lifting.

6. A device according to one or more of the preceding claims, characterized in that the connection means suitable to turn a push on the cover (3)
35 into a driving impulse for the feeding and cutting unit consist of a pair of rocker

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arms (9, 9') pivoted to the sides of the frame (8) of the feeding and cutting unit, return springs (11, 11') for said rocker arms (9, 9'), and pins (12, 12') located at the ends of the rocker arms (9, 9') on which internal projections of the cover (3) are rotatably engaged, at least one rocker arm (9) being provided with a toothed sector (13) that engages a gear (14) keyed on the main shaft of the feeding and cutting unit, the latter being provided with a non-return mechanism due to which a driving in the opposite direction is turned into a relative sliding of the engaged members.

7. A device according to one or more of the preceding claims, characterized in that the feeding and cutting unit is of the type where a first blade is mounted on the feed roller (7) and a second blade is fixedly mounted and positioned to interfere with said first blade carried by said roller (7), said pair of blades being mounted and structured so as to achieve during the cutting a punctiform contact between a rigid blade and a yielding blade.

8. A device according to one or more of the preceding claims, characterized in that the cover (3) is provided with an inclined plane (15) internally projecting downward at the area of nipping of the paper (C) by the feeding and cutting unit.

9. A device according to claim 8, characterized in that the inclined plane (15) is oriented so that its ideal extension arrives at the line of nipping of the paper (C) by the feeding and cutting unit.

10. A device according to claim 8 or 9, characterized in that the inclined plane (15) is notched.